ROADS DEPARTMENT GOOD CONDUCTED BY

Michigan State **Good Roads Association**

P. T. Colgrove, President.

Hastings, Michigan.

Good Roads Association through its Roads Movement succeed. president, have engaged the services of Mr. Z. D. Dunlap, Assistant Director General of the National Highway

Association, to conduct a state wide terest of the asso- Michigan. ciation.

reputation as a much longer. Good Roads Boost-K. of the Ohio Dunlap may be re-

ceived cordially everywhere, and that when he leaves Michigan he will take with him favorable impressions of our state as compared with states which mark his

The Dixie highway is coming into we shall have more to say about this great thoroughfare.

In order that we may be made better acquainted with Mr. Dunlap and must be in earnest, zealous and unappreciate him more a little later, I selfish. desire to give a few of his ROAD-

county and state if we expect congress to take any real interest in the road question. Every other interest is powerfully represented at Washing-

European wars don't worry our lifting Michigan out of the mud.

Good roads and a merchant marine an ocean filled with battleships.

We lead the world in everything else, why not in Good Roads?

Don't put a gauge on your enthusiasm for good roads. There are no meter rates.

Road improvement is for your own personal benefit and profit.

costing you enough each year to make easiest thing to do, so do your part in those roads permanently good?

Hastings-The Michigan State peal to men's reason can the Good

Ninety per cent of travel is between towns and between cities.

Mr. Manufacturer, Merchant and Professional Man, you should take a hand in helping to create a strong and campaign in the in- powerful sentiment for good roads in

Congress must set a definite plan Mr. Dunlap for a national solution of the road comes to Michigan problem under Federal auspices, and with a national Congress cannot postpone action

The advent of the automobile has er and bears the O. done much to improve road conditions and not only made road enthusias's State Federation. out of knockers, but has acquainted It is our earnest the city folk with the conditions and desire that Mr. the surroundings of rural folk.

Don't worry relative to what becomes of the \$5. The Michigan Good on which they were grown and thus they can be guaranteed as strictly Roads Association does not expect to the farmer or school child who has fresh. spend any part of it on you. There once obtained a setting of eggs will The poultry club in addition affords need the education which can only for more. be given by a state organization. Put your shoulders to the wheel and help. enthusiastic about their work and at Michigan. In our next week's article Don't lag behind waiting for the other the fall and winter shows carry off outlet for the energies of the young

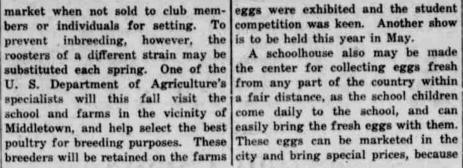
Your work in the road movement

This is an age of progress in the United States in every sense, and the Organization we must have in every progressive movement should include within its scope the improvement of every important road in the country.

The improvement of raw highways is always followed by the improvement of all things which mean better road conditions: We must have cheaproads. Get busy and do your part in er transportation over our roads. The movement of either 1912 or 1913 crops cost the agricultural interests of the will be worth more to this nation than United States \$137,000,000 more than it ought to.

> The men taking an interest in behalf of the good roads movement are

Don't get impatient because the enresults. Remember, Rome was not If you are a progressive citizen, you built in a day. Don't say "Don't" to are interested in Good Roads because any proposition respecting better you cannot progress so long as your roads. A "don'ter" never grew into State and Nation remain in the mud. into an "I willer" and "I can 'ter." Do you realize that bad roads are The biggest thing conceived is the making Michigan the home of good Only through moral suasion and ap- highways.



A schoolhouse also may be made substituted each spring. One of the the center for collecting eggs fresh

U. S. Department of Agriculture's from any part of the country within until it is clean, and then set bottom- him. specialists will this fall visit the a fair distance, as the school children school and farms in the vicinity of come daily to the school, and can poultry for breeding purposes. These These eggs can be marketed in the



Middletown, Va., Barred Plymouth Rock Club and the Poultry House Used.

show held last year, some 50 dozen pertaining to the farm.

are many sections of the state that not need again to apply at the school a chance to exchange breeding fowls and the introduction of new blood into The school club members are very the flocks. It also provides a valuable fellow to start; the other fellow might most of the prizes. At the first egg folks who are interested in things

HOME CARE OF MILK

Milk Sour Very Slowly at Low Temperatures; Clean Receptables Aid in Keeping Milk Sweet: Whiping Cream.

the care of milk in the home becomes are caused through carelessness. more complex than during the late autumn and winter. Heat to the extent accumulated by allowing milk to stand on a warm porch or in the sun is enough to start the bacteria in milk to multiplying at a rapid rate and thus make it unfit for use as sweet citizens worth while to a community. milk, according to the dairy specialists of the United States Department deavors of the Michigan Good Roads of Agriculture. The hot days also Association do not bring immediate bring the flies, the great germ carriers, and the clouds of dust laden with bacteria, which, when coming to rest on milk receptacles, may easily

contaminate the milk. will multiply, under the proper tem- than their proportion of cream. (about 1/2 teaspoonful) of milk containing 10 bacteria is kept at 68 debacteria will have multiplied into teria would be very small, possibly as low as 40 in 24 hours. Milk which contains a large number of bacteria is either not fresh or has come from a diseased cow or has otherwise been

Flies are possibly the most dangerhatching. The students have formed ous bacteria carriers which are likely a poultry club, and are furnished eggs to come in contact with milk. These from these pure breed fowls. But the scavengers may convey the germs of students are not the only ones to typhoid fever or other contagious disenefit from the flock. Their par- eases from the sick room or excreta the bacterial content. Milk which is nts and anyone within the county to the milk. Typhoid epidemics have can obtain a setting of eggs for been caused by flies spreading the germs. Milk should be guarded from eturn in the fall one of the chickens flies as rigorously as you would avoid likely to become warm and less fit for

> Cows are now out on pasture, and milk is more easily produced under refrigerator early in the morning. sanitary conditions than during the after milking and kept cool until consumed, it very soon begins to change the milk remains above 50 degrees mant or increase slowly at a lower temperature. For this reason, every precaution for keeping milk cold from the consumer is essential, and especially so during the warm weather.

Milk may absorb impurities whenever it is exposed to the air, or placed in unclean vessels. The amount or degree of contamination depends on the cleanliness of the air and of the eration, is to be strictly avoided. utensil. Even the air of a so-called clean room contains some impurities. If the producer and dealer have done their duty, there is left at the con-The care of the poultry is part of sumer's door a bottle of clean, cold,

With the advent of warm weather affecting its quality, many of which

Receiving Milk at the Home. The expression "a bottle of clean,

cold, unadulterated milk" describes the kind of milk which should be delivered to the home. The method of dipping milk from large cans and pouring it into the customer's receptacle in the street, with all the incident exposure to the air, not always the cleanest, is a bad practice. Drawing milk from the faucet of a retailer's can is almost as bad as dipping milk, although the milk is not exposed to the air as long as by the dipping process. Besides the insani-Milk is regarded as a natural cul- tary part of this method, some conture medium for bacteria, and the sumers, unless the milk is kept well rapidity with which the various forms agitated, are likely to receive less the medals he wore. Upon every one peratures, is astonishing. It has been custom of setting out at night an unshown that if a cubic centimeter covered vessel which collects thou- answering the boy's unspoken thought, sands of bacteria from the street dust "these are peace medals. You will before the milk is put into it, is ob- find when you grow up, it takes more grees temperature for 24 hours, the viously very insanitary, and yet it is courage to deserve one of these than practiced to a large extent. If milk it does to go out and kill your fellow about 61,000. In the same milk, if is to be received in a bowl or pail by men. You wished you could ride a held at 50 degrees, the growth of bac- the consumer, it is worth while to big horse into the smoke and roar of have it delivered personally to some battle. If you will come with me I mother's eyes. "I broke the whips member of the family, or if the receptable is to be placed in waiting for Mama knows you are going, so she do not want to ride a horse into the the milk deliverer, it should be covered with a plate, or better still, a glass preserving jar may be used, in flying machine which rose like a bird dreaming again. which nothing but milk is put. The jars with the glass tops are preferable; no rubber bands should be used.

Direct sunlight on the bottle of milk warms it rapidly, and increases delivered very early in the morning, say at 4 a. m., and remains out-ofdoors until 9 or 10 o'clock, is very human consumption than if it were taken in the house and placed in the

Milk should not be transfered from winter months when the cows are the original bottle into another restabled continuously. Milk may be ceptacle until just before consumphandled by the farmer in the most tion. The bottle should be kept covcorrect and sanitary methods known, ered with a paper cap, or an inverted and yet if it is not cooled immediately tumbler as long as the milk is in it. Milk deteriorates by exposure to the air in the pantry, kitchen or nursery. and grow sour. In fact, the bacterial Housewives are familiar with the content increases rapidly as long as ability milk has to absorb smells from strong foods, like fish, cabbage, or Fahrenheit. The bacteria are dor- onions. It is obvious, therefore, that ers will shorten their webs and reinsuch foods should be kept out of the refrigerator which contains milk.

If the milk is received in a bowl, the time it is produced until it reaches pail or other receptacle, instead of a bottle, the same rules apply to the keeping of the milk as those mentioned above for bottled milk. Milk from the grocery store or bakery which is kept in a can, open most of the time, and possibly without refrig-

Care of the Refrigerator. The refrigerator, unless kept scrupuously clean, often is in itself a source of production of bad flavor in milk. The refrigerator should be inmay be placed in unclean vessels or though the refrigerator is cold, a few

Care of Milk Bottles and Utensils.

side-up to drain. Bottles should never be returned in a dirty or filthy condition. All utensils with which milk come dry without wiping.

bottle and nipple.

If a case of typhoid fever, scarlet pan of ice water.

fever or diphtheria breaks out in the Milk bottles are made for milk and family, do not return any bottles to not to hold sundry other foods. As the milkman except with the knowlsoon as the milk bottle is empty, it edge of the attending physician, and should be rinsed with lukewarm water under the conditions prescribed by

Whipping Cream Should be Cold.

The above suggestions on the care of milk are equally applicable to comes in contact should be rinsed, cream. Often the housewife finds that washed and scalded every time they the cream she has will not whip. The are used. When cleaning these uten- department dairy specialists point out sils, do not wash them in dish water that to obtain satisfactory results in or wipe with ordinary dish towels. whipping cream it should be cold and First rinse them and then boil in clear of the right thickness, containing water and set away unwiped. If the about 30 per cent or more of butterreceptacles are hot, they will soon be- fat. Ordinary cream, designated as coffee cream by the trade, is altogeth-When a baby is bottle-fed, every er too thin to give good results. The time the feeding bottle and nipple are whipping cream, as delivered by the used they should be rinsed in luke- milkman, contains 30 to 40 per cent warm water, washed in hot water to of butterfat. Thoroughly chill the soda has been added, and then scalded. in a covered bowl on the ice. The Never use a rubber tube between the whipping process is also aided and hastened by standing the bowl in a

TWILIGHT STORIES FOR LITTLE FOLKS By Paul Leake

Ben Breaks the Whips.

Sitting on a stump in a pasture field just outside the village, Ben basked in the sunshine of early spring. Drawing his knees up under his chin he listened to the calls of the robbins. He had heard his mother talking of the great war going on across the seas, and with her felt sorry for the poor men who had to give their lives in battle, and for the poor crippled soldiers being taken to the rear, jolted and jarred in the rough carts. He also heard how a boy had proved a

Ben wished he was that boy and could carry a sword, or better yet, ride a big horse into the smoke and roar of battle. He was startled out of his day dream by a great shadow which flitted across the meadow. Looking up he saw what he thought was a great big bird slowly circling in the sky, coming gradually lower and lower until it was so close Ben could see it was a flying machine. Watching it he was surprised to see it settle slowly and gently to the meadow. A man got out and came toward him.

"Good morning, Ben," said the stranger with a pleasant smile. "I heard your wish up there in the clouds. If you will come with me I will show you some of the things you would like to see."

Ben looked at the stranger, then at The of them he saw the word "peace."

"Yes, Ben," said the stranger, think you will change your mind. any how. Mama when I grow big I will not be worried."

Ben followed the stranger into the

in the air. Over fields, rivers and lakes they flew; over mountains and plains, down by the great sea and along the coast to a southern city. Here the air-man paused above a great lot filled with horses and mules which were being loaded into a steam-

ship. The poor frightened things were put in slings and lifted on the steamer by big machines. Leaving there, the airman went straight across the ocean, to far distant shores; above vine clad hills and finally above a great black forest. The rumble and roar of big guns could be heard and cries of men hit with pieces of bursting shells. The airman let his machine down in a field and with Ben got out. Right before them were team after team hauling big guns, stuck in the mud. Drivers were using great big whips on the poor struggling animals which were trying so hard to pull.

Right alongside of Ben was a fine looking man who had a great whip with which he was beating the horses. "Stop that!" cried Ben and grasping the whip he broke it in several

pieces. Then he went to the others and did the same. Men fell back before his just anger. The horses rubbed their noses against Ben's coat in gratitude. He unhitched them all and they ran away into the forest just as a lot of men on horses with drawn swords came dashing at the boy, who with the stranger, ran to the flying machine, and rose with it into the air. Bang, bang, bang, went the machine

"Ben, Ben! what are you yelling

"I don't care," said Ben as he opened his eyes and looked into his roar and smoke of battle."

His mother then knew he had been



Spiders are considered natural ba- | gion, upper Mississippi and upper cometers and seem to have an instinct Missouri valleys. for coming atmospheric changes. This During the first part of the week is not unnatural, however, since they temperatures will rise in western were created with an eye to business states in advance of the low baromeand ability to meet all requirements tric area expected to appear upon the of the elements. Before the coming western coast about Tuesday, the of strong winds or heavy rains, spid- 29th. force them. In fact, every twenty- air in Colorado and bordering states four hours, changes may be noticed in about Wednesday, the 30th, but folquirements for the day.

slender filaments on his web. His the close of the week. greater activity may also be taken as the forerunner of nice weather. If he low in the rear of this storm are lies quiet in the center of the web, with clearing skies. The Arkansas rain may be expected and also when valley and other western sections will spiders come more plentifully from have dry and generally fair weather out of crevices and holes in the wall. about Saturday, the 3rd of July.

June 27th to July 3rd.

Storms of heavy rains, electrical pected in central sections of the United States as this week begins moving into the eastern coast states by Monday or Tuesday.

to have changeable weather with tem- and the leaves and roots of a number Monday will be cloudy and cooler, poisonous to clover, wheat, cowpeas temperatures ranging cool in lake re- and other plants.

This storm will warm and dry the

the spiders' web as he meets the re- lowed by high winds and possibly driving local rains. These conditions Fair and fine weather may be ex- will cross Mississippi valley about pected when the spider spins long, July 1st and Atlantic coast near to A change to much cooler will fo

As the week ends western sections of the United States will be feeling the effects of increased heat due to storms and tornadoes are to be ex- the oncoming disturbance to be detailed in next weeks' forecast.

Vanillin is the active principle which makes vanilla ice cream so pop-Sunday the lake region is expected ular. It occurs in the roots of oats



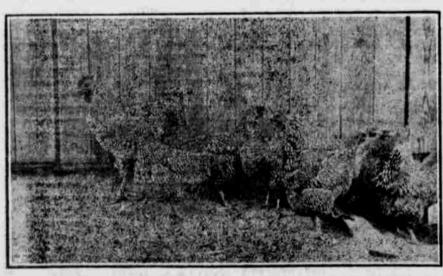
COMMUNITY POULTRY

Offers Chance to Build Up High Standard of Poultry; Virginia County High School Distributes Eggs From Pure Bred Stock; May be Readily Adopted Elsewhere.

(Prepared by the U.S. Department of Agriculture)

Community breeding in poultry offers great opportunities for the improvement of poultry stock, and also for the marketing of poultry and eggs. The Pentula district of California, where white Leghorns are the tock, however, have to pledge them-

tural pursuits. Here a single flock BREEDING. of about 30 pure bred Plymouth Rocks forms a nucleus for the distribution contaminated. throughout the district of eggs for atching in payment for which they atched from the eggs. The members exposure to disease. f the club and other individuals who btain eggs to start raising pure bred



Pen of Pure Bred Barred Rocks Owned by Middletown, Va., Poultry Club.

locality seems to confine its breeding strain of poultry. operations entirely to one variety.

and followed out in other communi- at feeding the fowls. are primarily interested in agricul- son and eggs are sold in the open Thus things may happen to the milk taminate it.

predominating breed, approaches the selves to hatch only eggs from this community breeding idea. In certain source. Thus from this single flock localities in the east there are exten- there is being built up in the comsive duck farms, but no one particular munity practically one pure bred

At Middletown, Va., the county the schoolhouse janitor's work, and unadulterated milk. But the con- spected at short intervals, at which agricultural school has undertaken a the poultry is systematically cared for sumer also has responsibilities in times the outlet for the melted ice sort of community breeding of poul- by one attendant rather than under handling milk so that it continues to should be freed, the ice-rack cleaned, try, which promises far-reaching re- a hit or miss plan, where a number be fit for consumption, especially as and the place where the food is kept sults, and which can be easily adopted of school children "try their hand" food for babies. The milk in the home scalded with sal-soda solution. Even

ties. The agricultural high school Two male birds are kept with the exposed unnecessarily to the air, or drops of spilled milk, or a small par- peratures normal or a little below. of plants. It has been found to be draws from a large area students who 30 hens only during the breeding sea- not kept cool until the time of using. ticle of food neglected, will soon con-